



October 12, 2004

Victoria Whitney, Division Chief Division of Water Rights State Water Resources Control Board 1001 I Street Sacramento, CA 95812

Re:

SWRCB Order No. WR 95-10, as amended Annual Report for Water Year

October 1, 2003 through September 30, 2004

Dear Sir:

Pursuant to Condition 13 of the subject order as amended, this letter is California American's *annual* report for the water year October 1, 2003 through September 30, 2004.

Condition 13, as amended, requires:

- 13. Starting with the first full month following adoption of this Order, California American shall file quarterly with the Chief, Division of Water Rights:
 - (a) Reports of the monthly total amounts being: (1) pumped from wells; and (2) diverted from the Carmel River. Reports of the total monthly amount being pumped from wells shall show the amount being pumped from each well and shall show the location of each well.
 - (b) Reports of the progress being made in complying with the schedule submitted to comply with Condition 11,
 - (c) Reports of the progress being made in complying with Conditions 4, 5, 6, 7, 8, and 9, and
 - (d) California American shall submit a quarterly water budget thirty days after approval by the District."

RESPONSES

Condition 13(a). The total amounts being: (1) pumped from wells and (2) diverted from the Carmel River by month for each well location for the fourth Quarter of the Water Year, October 1, 2003 through September 30, 2004 is shown on Attachment 1. Attachment 2 shows the monthly production data through September 2004 from specific sub-units in the Carmel Valley via Carmel Valley wells. Carmel Valley Filter Plant produced 0.0AF from San Clemente



I.

Reservoir, with 474.3 AF from Aquifers No. 1 and No. 2; Water West 62.8AF; Aquifer No. 3 – 7792.7 AF; Aquifer No. 4 – 2938.5 AF. Total production through the month of September 2004 was 11268.3AF. Net production, which includes ASR diversions was 11095.2AF. See Table. Los Padres releases are shown on Attachment 4.

- II. <u>Condition 13(b)</u>. Condition No. 11 has been satisfied because The Monterey Peninsula Water Management District has continued to implement the Mitigation Program for the District's Water Allocation Program Environmental Impact Report.
- III. <u>Condition 13(c)</u>. Progress being made in complying with Conditions 4, 5, 6, 7, 8, and 9 is as follows:

CONDITION NO. 4

California American shall maximize production from the Seaside aquifer for the purpose of serving existing connections, honoring existing commitments (allocations), and to reduce diversions from the Carmel River to the greatest practicable extent during periods of low flow. California American shall minimize diversions from the Seaside aquifer whenever flow in the Carmel River exceeds 40 cfs at the Highway 1 Bridge from November 1 to April 30. The long-term yield of the basin shall be maintained by using the practical rate of withdrawal method.

Response No. 4:

Attachment 3 shows Net System Production Water Year to Date.

CONDITION NO. 5

To the maximum extent feasible without inducing seawater intrusion or unreasonably affecting the operation of other wells, California American shall satisfy the water demands of its customers by extracting water from its most downstream wells.

Response No. 5:

In July 2003, US Fish & Wildlife Service and California American executed the Second Amended Agreement for protection of the California Red-legged frog for California American's Carmel Valley operations (Agreement with USFWS). The Agreement states that, provided that California American complies with its terms and the Biological Opinion, incidental take of California Red-legged frog shall be exempt from the take prohibitions of Section 9 of the Endangered Species Act. One of the requirements of the Agreement with USFWS is to pump from downstream wells to the extent practicable, which is consistent with Condition No. 5.

On March 21, 2002, the State Board adopted WRO 2002-0002, which modified California American's operation of the upper Carmel Valley wells in a manner that is consistent with Condition No. 5.

CONDITION NO. 6

California American shall conduct a study of the feasibility benefits and estimated costs of supplying water to the areas now served by the Carmel Valley Filter Plant from its more nearby wells downstream of the plant and shall also conduct a similar study of utilizing the existing or expanded Begonia Treatment Plant or other facilities located further downstream in lieu of the Carmel Valley Filter Plant. This latter study shall be completed within one year of the date of entry of this Order. Petitioner shall have an opportunity to comment on the scope of the study. The study shall be under the direction of the Division of Water Rights, and will be conducted by a consultant approved by the Division. If the Chief, Division of Water Rights, finds that the measures identified in the studies are feasible, California American must implement supplying water from the facilities identified by the Division according to a schedule approved by Division of Water Rights. The objective of supplying water from the wells is to maintain surface flow in the stream as far downstream as possible by releasing water from San Clemente Dam for maintenance of fish habitat. The results of the study and recommendations shall be provided to the District and DF&G for comment.

Response No. 6:

In accordance with the terms of Order Nos. 95-10 and 98-04, two studies were done. The first was completed and submitted to the State Board in September 1996. The Reconnaissance-Level Feasibility Study of the Operational Reconfiguration of Lower Carmel Valley Wells was completed and was submitted to the State Board on June 21, 1999. In April 2001, the State Board issued Order 2001-04 in which it found these studies adequate. The order was protested and after a hearing, the State Board adopted WRO 2002-0002 on March 21, 2002 and confirmed the studies were adequate.

In past years, operation of the upper Carmel Valley wells has been limited during the months of May through December. WRO 2002-0002 changed the trigger for reducing operation of upper Carmel Valley Wells from specific months to "low flow periods", defined as times when stream flow in the Carmel River at the Don Juan Bridge (RM 10.8) gage is less than 20 cfs for five consecutive days. WRO 2002-0002 also required installation of certain facilities to facilitate usage of the more downstream aquifers and to determine whether the Carmel Valley Village Zone water supply needs can be supplied from the Begonia Zone.

In compliance with WRO 2002-0002, California American installed a pump that delivers water from the Begonia zone to the Carmel Valley Village in March 2002. During low flow periods, California American has ceased diversions from San Clemente Reservoir, is

pumping from Russell Wells 2 and 4, and has limited its pumping of the other upper Carmel Valley Wells to a schedule of maintenance pumping, which is set forth below. The maintenance-pumping schedule and the complete cessation of diversions from San Clemente Reservoir are being monitored and evaluated by NMFS and California American and are subject to adjustment in order to satisfy the needs of California American's customers and the needs of the steelhead. Since the pump has been installed, production from the Russell Wells has been limited to 0.5 cfs during low flow periods and the majority of Carmel Valley Village demand has been met by pumping water from the Begonia zone, which includes water well production facilities in AQ 3, AQ 4 and the Seaside Groundwater Basin. This mode of operation is being evaluated to address the adequacy of California American's distribution system and the new pump to accommodate the water supply needs of the Carmel Valley Village from the Begonia Zone.

Status of wells during July through September 2004:

Lower Carmel Valley Wells

Rancho Canada - On-line

San Carlos – Emergency Stand-by only (under influence of surface water)

Cypress - On Line

Pearce - On Line

Schulte - On Line

Manor - On line

Begonia #2 – On Line

Berwick #7 – Out of Service until further notice.

Berwick #8 - On Line

Upper Carmel Valley Wells

Panetta 2 – Off Line (run 8hrs/day for 1 to 2 days per month for maintenance)

Panetta 4 – Off Line (run 8hrs/day for 1 to 2 days per month for maintenance)

Garzas 3 – Off Line (run 8hrs/day for 1 to 2 days per month for maintenance)

Garzas 4 – Off Line (run 8hrs/day for 1 to 2 days per month for maintenance)

Los Laureles 5 – Off Line (run 1 to 2 hours once a week for maintenance)

Los Laureles 6 – Off Line (run 1 to 2 hours once a week for maintenance)

Scarlett 8 – Off Line (run 1 to 2 hours once a week for maintenance)

Robles – Off Line (run 1 to 2 hours once a week for maintenance)

Russell 2 - On Line

Russell 4 - On Line

As of, June 6, 2004, the low flow period as defined by the Conservation Agreement and Order 2002-02 ended. The upper valley wells remain off line until the end of the low flow period.

CONDITION NO. 7

California American shall evaluate the feasibility of bypassing early storm runoff at Los Padres and San Clemente Dams to recharge the subterranean stream below San Clemente Dam in order to restore surface water flows in the river at an earlier date. The results of the study and recommendations shall be provided to the District and CDF&G for comment.

CONDITION NO. 8

California American shall conduct a study of the feasibility, benefits, and costs of modifying critical stream reaches to facilitate the passage of fish. The study shall be designed and carried out in consultation with DF&G and the District. The results of the study and recommendations shall be provided to the district and DF&G for comment.

Response Nos. 7 & 8:

See prior quarterly reports.

California American has proposed an alternate water supply project to meet the Order 95-10 as modified by subsequent orders. After diligent review of the options for technical, political and environmental merit, California American amended its application for a new reservoir on the Carmel River to include the desalination/ASR project originally developed by the CPUC, entitled *Plan B*. Additionally, California American requested that the CPUC be the lead agency for the Company's project, which has been named the Coastal Water Project. The CPUC has agreed to be the lead agency for the environmental work. The Proponents Environmental Assessment (PEA) consultants have selected and are currently about half way through the PEA portion of the environmental work. To date, the project team has presented its plan and project status to all of the city councils in the service and has conducted two rounds of town hall meetings in the communities. The project team will continue to conduct public meetings for the duration of the PEA/EIR process.

Other items:

In early May 2004 California American identified an excessive use pattern by customers in the Monterey system served from the Carmel Valley. The excess use, driven by low winter rains and a warm spring, took Carmel River Basin diversions from 100 acre feet below budget to nearly a hundred acre feet ahead of plan during May. California American took immediate action to ask the customers to watch their water use through a direct phone call and several direct mailings to over 30,000 customers. California American and their attorneys met with the Chair of the SWRCB and staff to outline the problem and to describe the company's efforts to curb the excess use. California American also met several times with the CPUC staff and members to explore methods to control the excess use. California American proposed new rate blocks for golf course

and public authority irrigation uses and per the CPUC staff direction a moratorium on new connections and expanded uses of water in the Monterey area. The CPUC acted on July 8, 2004 to enact the temporary rate increase.

The efforts to meet the 95-10 target were successful. The emergency rates coupled with focused conservation appeals and a mild summer brought water consumption down below the 95-10 levels by the end of the water year.

The Department of Safety of Dams has directed California American to permanently lower San Clemente Reservoir at all times possible. California American has reduced the elevation of the San Clemente reservoir to the level acceptable to DSOD and has installed a pipeline and floating weir and a pipeline to the existing fish ladder to allow steelhead to migrate down river even though the reservoir is not spilling. California American and DSOD are in discussions to finish the environmental review process on strengthening of the dam. The process will include CEQA and NEPA level evaluations.

Based on preliminary studies on the safe yields on the Seaside Ground Water Basin California American filed a lawsuit against the other pumpers in the aqueduct seeking adjudication of the ground water supplies. The suit has been assigned to a judge and is currently in mediation.

Should your staff have any questions please call me at (831) 646-3214.

Sincerely,

Steven Leonard

Vice-President/Manager

Coastal Division

California American Water-

Enclosures

cc:

K. Urquardt

J. Driscoll, Esq.

P. Lyman, Esq.

P. Townsley

D. Stephenson

D. Laredo, Esq.

D. Armanasco

S. Somach, Esq.

D. Berg

B. Lewis

R. Kuta

CALIFORNIA AMERICAN WATER
Monterey Division
UPPER CV WELLS - PRODUCTION
Water Year 2003-2004

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280,379	0	280,379	(104)	92,627	0	52,896	64,611	48,768	2,047	17,411	1.916	0	1000 G
37,481,260	0	37,481,260	(13,860)	12,382,400	0	7,071,200	8,637,300	6,519,300	273,600	2,327,500	256,100	0	Og ငှ
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CALIFORNIA AMERICAN WATER
Monterey Division
LOWER CV WELLS - PRODUCTION
Water Year 2003-2004

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CALIFORNIA AMERICAN WATER Monterey Division CVFP Daily Production Report Water Year 2003-2004

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CALIFORNIA AMERICAN WATER Monterey Division S.C. DAM & CARMEL VALLEY WELLS Production Water Year (AF) 2003-04

Date	CVFP Ban Clemente Dam	Aquifer 1 Russell 2 & 4	Aquiller 2 Robies Los Laureles 5 & 8	Water West Penetia 1 & 2 Garzas 3 & 4	Aquifer 3 Scariett 6/Berwick 7 & 6 Begonia/Menor/Schulte Pearce/Cypress/Ban Cerlos	Aquifer 4 Rencho Canada	Total Production	BIRP BW & Seaside Test Inject. (ASR)	Net Production
Oct 2003	0.0	25/1	(C)	0.0	575.8	284/3	885.2	013	685, 5
Oct 2002	0.0	23.0	0.0	0.0	619.2	200.3	842.5	-1.9	840.6
Key 2003), D.O.	14.3	, D.O.	0.0	3957	206.8	616.2	-18	614
Nov 2002	0:0	22.3	0.0	0.0	489.3	203.6	715.2	-1.9	713.3
Dec 2003	0.0	26.1	00	0.0	392/1	249.1	667.3	-0.6	686.7
Dec 2002	0.0	22.8	0.0	0.0	455,9	206.7	685.4	-0.3	685.1
Jan 2004	0.0	25.0	600	0.0	588.2	2824	678.5	1.5	675.0
Jan 2003	44.3	11.2	11.4	15.2	612.4	210.6	905.1	0.2	905,3
Fe6 2004	0.0	243	Ţ,	0.0	667.8	240.7	9327	-810	85117
Feb 2003	46.1	0.0	82.9	2.3	619.9	116.1	867.4	-28.3	839,1
Mar 2004	0.0	55.2	35.2	.22 1	Tree	265.4	77.055.0	80:4	1:074:5
Mar 2003	. 55.8	0.0	93.2	0.0	861.4	4.3	1,014.7	-28,5	986.1
Apr 2004	0.0	60.9	796	407	800.7	24 07	1,2535	. 07	31,252.8
Apr 2003	52.7	4.9	88.0	0.0	623.4	292.3	1,061.3	-67.6	993.7
Way 2004	0.0	29,1	200	0.0	7613	248.5	1,039.0	-18	1/037/2
ı <u>y 2003</u>	41.7	25,9	88.7	0.0	665,8	306.2	1,128.3	-50.7	1,077.7
06120GF	60	22:1	900	0.0	599.5	#29T.V.	9594	2.2	957-2
Jun 2003	0.0	61.9	0.0	0.0	601.6	316,2	979.7	-1.2	978.5
Sul 2004	0.0	24.8	0.0	0.0	673.3	239.5	937/6	0.3	937.9
Jul 2003	0.3	25.7	0.0	0,0	743.8	308.1	1,077.9	-2.3	1,075.6
AUG 2004	0,0	24.6	0.0	0.0	7112	2376	970.4	-1/4	972,0
Aug 2003	0,0	26.0	0.0	0.0	794.5	254.0	1,074.5	-0.4	1,074.1
S4p 2004	0,0	37. 1	0.0	0,0	7208	2248	97215	44	970.1
Sep 2003 Total	0.0 0.0	23.8 359.5	0.0 114.8	0.0 62.8	664.9 7,792.7	275.8 2,938.5	964.5 11,268.3	-1.6 -173.1	962.9 11,095.2

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	ረ- 7-0	06/04	G-E-A	05/04	V-T-D	04/04	0-1-Y	03/04	4-T-D	02/04	ርተ-አ	01/04	Month
	1000 G	CF 1000 G	≱ 7000 G	CF 1000 G AF	CF 1000 G AF	CF 1000 G	AF 600 G	CF 1000 G	1000 G	CF 1000 G AF	CF 1000 G	CF 1000 G AF	
-													San Clemente Dam Surface Water
	0 0 0 0	0.00	0.00	0.00	000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	17,205,628 128,707 394,99	962,618 7,201 22,10	16,243,010 121,506 372.89	1,268,003 9,485 29,11	14,975,007 112,021 343.8	7,890,660 59,026 181.14	7,084,347 52,995 162.63	4,898,998 36,647 112.47	2,185,349 16,348 50.17	1,056,647 7,904 24 ,26	1,128,702 8,443 25.91	1,128,702 8,443 25.91	U. Carmel Valley Wells
Ī	. 253,230,598 1,894,297 5,813,37	40	212,496,897 1,589,587 4,878.26	43,911,751 328,483 1,008.08	168,585,146 1,261,105 3,870.2	46,683,061 349,214 1,071.70	121,902,085 911,891 2,798,49	45,337,869 339,151 1,040.81	76,564,216 572,740 1,757.67	39,577,760 296,062 908.58	36,986,456 276,678 849.09	36,986,456 276,678 849.09	L. Carmel Valley Wells
ľ	53,066,635 396,966 1,218,24	24,718,878 184,910 567.47	28,347,757 212,056 650.77	24,796,812 185,493 569.26	3,550,945 26,563 81.5	3,116,345 23,312 71.54	434,600 3,251 9.98	0.00	434,600 3,251 9,98	0.00	434,600 3,251 9.98	434,600 3,251 9.98	Seaside Weils
	1,667,819 12,476 38.29	401,404 3,003 9.21	1,266,415 9,473 29,07	469,860 3,515 10.79	796,555 5,959 18.3	297,712 2,227 6.83	498,843 3,732 11.45	212,210 1,587 4.87	286,633 2,144 6.58	154,714 1,157 3.55	131,919 987 3.03	131,919 987 3.03	Ryan Ranch Wells
	4,182,302 31,286 96.01	949,603 7,104 21.80	3,232,699 24,182 74,21	1,020,065 7,631 23.42	2,212,634 16,552 50.8	800,233 5,986 18.37	1,412,401 10,565 32,42	608,101 4,549 13.96	804,300 6,017 18.46	385,999 2,887 8.86	418,301 3,129 9.60	418,301 3,129 9.60	Hidden Hills Wells
	3,790,933 28,358 87.03	955,686 7,149 21.94	2,835,247 21,209 65.09	960,605 7,186 22.05	1,874,642 14,023 43.0	790,429 5,913 18.15	1,084,213 8,110 24.89	538,506 4,028 12.36	545,707 4,082 12.53	260,629 1,950 5.98	285,078 2,133 6.54	285,078 2,133 6.54	Bishop Wells
	5,982,054 44,749 137.33	1,446,830 10,823 33.21	4,535,224 33,926 104.11	1,553,554 11,621 35.66	2,981,670 22,304 68.4	1,301,964 9,739 29.89	1,679,706 12,565 38.56	766,753 5,736 17.60	912,953 6,829 20.96	456,208 3,413 10.47	456,745 3,417 10,49	456,745 3,417 10.49	Ambler Wells
	698,800 5,227 74.41	698,800 5,227 16.04	734,300 5,493 58.36	734,300 5,493 16.86	588,600 4,403 41.5	588,600 4,403 13.51	488,900 3,657 27.99	488,900 3,657 11.22	379,100 2,836 16.77	379,100 2,836 8.70	351,400 2,629 8.07	351,400 2,629 8.07	Chualar Wells
	58,205 435 6.44	58,205 435 1.34	60,851 455 5,10	60,851 455 1.40	42,911 321 3.7	42,911 321 0.99	37,310 279 2.72	37,310 279 0.86	36,882 276 1.86	36,882 276 0.85	44,195 331 1.01	44,195 331 1.01	Relph Lane Wells
	6,960,211 52,066 159.78	0.00	6,960,211 52,066 159.78	0.00	6,960,211 52,066 159.8	0.00	6,960,211 52,066 159,78	3,427,034 25,636 78.67	3,533,177 26,430 81.11	3,533,177 26,430 81.11	0 0 0.00	0.00	ASR (+) Test Well
	335,687,212 2,511,115 7,706.32	70,925,725 530,561 1,628.23	264,761,487 1,980,554 6,078.09	74,775,801 559,362 1,716.62	189,985,686 1,421,192 4,361.5	61,511,915 460,141 1,412.12	128,473,771 961,051 2,949.35	49,461,613 369,999 1,135.48	79,012,158 591,052 1,813.87	38,774,762 290,055 890.15	40,237,396 300,997 923.72	40,237,396 300,997 923.72	NET SYSTEM (All Facilities)

California American Water Monterey Division Net System Production Year to Date 2004

07/04 Month 7-T-D 20.60 08/04 7-T-D 7.T.B 1000 G AF 1000 G 읶 유 읶 유 1000 G AF 1000 G ₽ 1000 G 1000 G San Clemente Dam 0.00 0.00 0.00 0.00 0.00 U. Carmel Valley 18,285,492 136,785 419.78 20,538,202 153,636 471.49 19,359,053 144,816 444,42 1,073,561 8,031 24.65 1,079,864 8,078 24.79 1,179,149 27.07 8,821 L. Camel Valley 293,006,266 2,191,839 6,726.50 375,349,353 2,807,808 8,616.84 334,273,230 2,500,538 7,673,86 41,076,123 307,271 41,266,964 308,698 947.36 39,775,668 297,543 913.12 942.98 Wells 20,527,418 153,556 471,24 119,286,306 892,324 2,738.44 23,872,928 178,582 548.05 98,758,887 738,768 2,267.19 21,819,324 163,220 500.90 76,939,563 575,548 1,766.29 Seaside Wells Ryan Ranch 2,213,810 16,560 50.82 2,609,490 19,520 59.91 3,040,029 22,741 69.79 Wells 9.88 545,991 430,539 3,221 395,680 2,960 9.08 4,084 12.53 Hidden Hills 5,194,967 38,861 119.26 6,193,307 46,329 142.18 7,129,307 53,331 163.67 1,012,665 Wells 21.49 936,000 7,002 998,340 7,468 22.92 7,575 23.25 22.34 Bishop 6,738,353 50,406 154.69 5,766,707 43,138 132.39 4,784,113 35,788 109.83 971,646 7,268 982,594 7,350 22.56 993,180 7,430 22.80 10,245,260 76,640 235.20 8,928,126 66,787 204.96 Ambler Wells 1,317,134 9,853 30,24 7,467,762 55,863 171.44 1,485,708 11,114 34.11 1,460,364 10,924 33,53 Chuatar Welts 13.58 591,560 4,425 661,721 4,950 106.07 661,721 4,950 15.19 717,800 591,560 4,425 119.66 717,800 5,370 5,370 16.48 90.88 Ralph Lane Wells 48,513 363 1111 62,562 468 1.44 79,714 596 8.27 62,562 468 9.70 79,714 48,513 363 10.82 596 1.83 ASR (-) Test Well 6,960,211 52,066 159.78 6,960,211, 52,066 159.78 6,960,211 52,066 159.78 0.00 0.00 0.00 (All Facilities) 541,049,923 4,047,335 12,420.80 473,971,840 3,545,556 10,880.90 405,250,730 3,031,486 9,303.28 1,539.90 68,721,110 514,070 1,577.62 69,563,518 520,371 1,596.96 67,078,083 501,779

California American Water Monterey Division Net System Production Year to Date 2004

CALIFORNIA AMERICAN WATER Monterey Division Los Padres Daily Release (CFS) Water Year 2003-2004

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Total		ָרָ בַּי	30	29	28	27	26	25	24	23	22	21	20	19	18	17	<u></u>	15	14	13	12	<u> </u>	10	9	8	7	<u>ი</u>	টা	4	ω	2	1	Date
246.9	:	7 7	7.4	7.3	7.4	7.4	7.6	7.4	7.3	7.5	7.8		8.2	8.3	8.3	7.9	7.5	7.5	7.5	7.4	7.4	7.6	8.0	8.2		8.3				9.2			Oct 03
233.6								7.5			8.5			7.9	7.8	7.9	8.2	7.9	7.7	7.8	7.7	7.5	7.1	7.5	7.5	7.5	7.4	7.4	7.6	7.5	7.4	7.5	Nov 03
993.7	100:					•	•	9.4		9,0	9.1	9.0	9.0	9	9	9.0	8.8	8.7	8.7	8.6	8.6	8.5	8.4	8.3	8.1	8.1	7.9	8.0	8.1	.3		8.2	Dec 03
1752.0			23.0				24.0	25,0		25.0		27.0		28.0				35.0	36.0		41.0	44.0	48.0	51.0	57.0	66.0	78.0	92.0	115.0	160.0	260.0	207.0	Jan 04
4660.0		,					797.0				115.0			185.0	267.0		43.0	38.0	40.0	42.0	44.0	47.0				64.0	73.0	84.0	95.0		47.0		Feb 04
2747.0		40.0								48.0	49.0	51.0		55.0		61.0	65.0		72.0	77.0	82.0	88.0					136.0	151.0	169.0		224.0	258.0	Mar 04
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